

ABSTRACT OF THE DISCLOSURE

A reflection type liquid crystal display of high aperture efficiency driven by low electric power and superior in display quality is stably obtained through a simple process.

5 Further, a reflection type liquid crystal display of good reflection characteristic and high display quality is obtained in a high yield by forming appropriate unevenness on a reflex picture element electrode.

An interlayer insulating film 11 having appropriate unevenness of an inseparable pattern in a picture element region and having a contact hole 12 of a separable pattern on a drain electrode 8 of a TFT is formed by plainly applying a photosensitive insulating resin so that it may dissolve difference in level caused by a gate electrode wiring 2, source 10 electrode wiring 7, the TFT, and so on, and conducting exposure and development while changing exposure amount. The exposure 15 of the insulating resin is conducted through divisional exposure in which the inseparable pattern and the separable pattern are arranged on different masks, and the inseparable pattern is exposed by a predetermined exposure amount of 20 to 20 80 % of an exposure amount for the separable pattern. For example, a stepper exposure apparatus of h-rays is used, and the contact hole 12 portion is exposed at $400\text{mj}/\text{cm}^2$ and the unevenness in the picture element region is exposed at 25 $160\text{mj}/\text{cm}^2$.

An insulating substrate 101, in which an ultraviolet absorption film 101b and an insulation layer 101c are formed on a transparent insulating substrate 101a, and which is treated not to permit any ultraviolet light to transmit, is used as a
5 substrate for forming a TFT array. As a result, at the time of exposing a photosensitive resin forming an interlayer insulating film 111 which is formed on the TFT and the electrode wiring and makes the surface plain, any ultraviolet light not absorbed by the photosensitive resin does not transmit through
10 the substrate, and the photosensitive resin is prevented from being exposed by inappropriate light such as light reflected from a substrate holder.